



ITW

Docket No. 27232.03  
Confirmation No. 7679  
Customer No. 37833

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN THE PATENT APPLICATION OF:

APPLICANT: **DENNIS N. PETRAKIS**

SERIAL NO: **10/549,705**

ART UNIT: **2859**

FILED: **June 23, 2006**

EXAMINER: **R. SMITH**

FOR: **TEMPERATURE RESPONSIVE SYSTEMS**

MAIL STOP AMENDMENT  
COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

**SUPPLEMENTAL RESPONSE**

Sir:

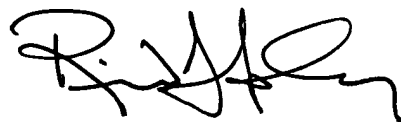
This communication is a supplemental response to the Office Action dated December 31, 2007, the time for responding thereto being on or before March 31, 2008. A responsive amendment was filed on March 13, 2008. This communication is filed under 37 CFR 1.111(a) (2) (i) (D) and (E).

In discussing the reasons that claim 249 avoided the prior art rejection based on Miwa (JP3-100376), Applicant referenced page 39, Figs. 38-43 and an irreversible path creation. The reference to "irreversible path creation" was in error since claim 249 recites an irreversible volume change. The referenced page and figures is correct.

In discussing the reasons that claim 253 avoided the prior art rejection based on Cho et al ('382), Applicant referenced Figs. 33-37. While these figures may have the claimed structure, Applicant draws the Examiner's attention to page 122, first paragraph, wherein "Any number of substance release devices ... can be grouped together to perform as a system and to produce a combined effect." The specification continues to describe devices performing collectively as a system. Further, the Examiner's attention is directed to the specification pages 102-124 and Figs. 149-199 for devices whose activators are normally unresponsive to temperature changes.

Applicant requests that the Examiner approve the entry of this supplemental response and consider it in conjunction with the prior reply. Applicant has filed this Supplemental Response to comply with the Examiner's Office Action, paragraph 16, wherein the Examiner states "That it would be helpful if the Applicant would identify what figures are addressed by all the elected claims." The Supplemental Response furthers corrects the erroneous references mentioned above.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "R. J. Apley", with a stylized flourish at the end.

Richard J. Apley  
Registration No. 51,316  
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RJA: dht